

## Special Summer Price Fighter Edition

### MAPLIN - YOUR FIRST CHOICE FOR COMPONENTS

In this special edition of Maplin News we've got lots of special offers, a very low priced very high quality cassette recorder and a low, low price on the famous Space Invaders video game. We've cut our prices on hundreds of our lines — check the price list for details. And if you need any more reasons for making Maplin your No. 1 supplier check this list against the competition:

We give discount vouchers which can be worth up to 8% off when used against your next order — we even give them on special offers — so next time you compare prices remember that for every £13 you spend with us you'll get a whole £1 off your next order.

Our prices include VAT so the price you see is the price you pay. Don't get caught by the small print in our competitors' advertising that tells you to add VAT. And it's not a small amount either — on an order worth £6.67 there's a whole £1 extra to pay. But with Maplin there's nothing extra to pay, except on small orders under £4.

Same day service. Now that our computer is running smoothly we are posting the goods on the day we receive the order for all UK orders (and for overseas customers if you pay by bank draft in sterling drawn on a British bank).

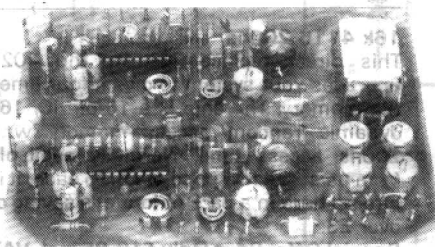
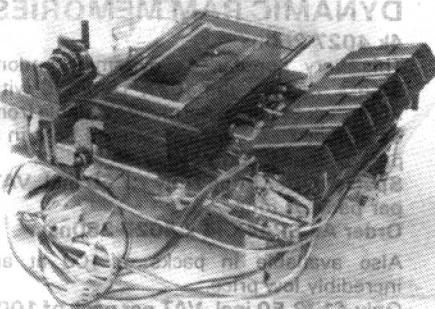
Excellent stock levels. We have nearly half a million pounds of stock and over 97% of our stock lines in stock and it's improving all the time. Regular telephone checks with our competitors show that we are more likely to have what you want in stock than they are.

Large range. Our wide range of useful components means that you can often get everything from us which saves writing to lots of different companies and probably having to pay postage or handling charges several times.

Post paid. With every order we send a first class reply paid envelope to make ordering as easy as possible for you. And we send the goods to you by first class post (if total weight under 750 grammes) so you get them, fast.

Quality components. There are definitely no rejects or re-marks in our stock. There are plenty of sub-standard components around, we are being offered them all the time and it's inevitable that someone buys them — so if you see prices very much lower than ours, remember: we buy more than any other supplier so we generally get the best prices. Anyone can say that stock is genuine, and it may even have a manufacturer's mark, but it could be reject or even untested stock. With Maplin you can be

## STEREO CASSETTE TAPE-RECORDER FOR UNDER £40!!



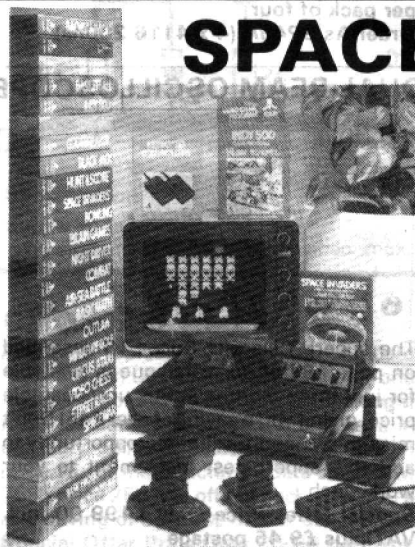
We've acquired lots more of the superb JVC cassette mechanisms that were offered in our last newsletter, and we've got a complete electronics module to match it. Now you can make a high quality stereo cassette tape recorder for under £40. A kit is available complete or in three parts: mechanism; module; remainder of parts.

#### Typical Specification of Complete Cassette Deck

Stereo record and playback  
Electronic record/playback switching  
Dual VU meter  
Adjustable bias (preset for TDK 'D' range tapes)  
Microphone input 0.8mV at 10k $\Omega$   
Line input 100mV at 47k $\Omega$   
Output Up to 1V  
Output impedance 500 $\Omega$  nominal  
Total harmonic distortion 2.5%  
Signal to noise ratio 50dB  
Crosstalk better than 50dB  
Frequency response 30Hz to 14.5kHz  
(-3dB)

Wow and flutter 0.1% (DIN weighted)

## SPACE INVADERS ARE HERE



*And at a fabulous new price too!*

Fight the space invaders, be a Polaris captain or a spaceship commander. Full colour action on your own TV set and over 450 games to play on a choice of 26 different action-packed cartridges with new ones being released all the time. Yes, it's the fantastic Atari Video Computer, the greatest thing to happen to home games since Monopoly; it'll keep you and your children entertained for hours, day after day.

First you'll need the Atari Computer Console that simply plugs straight into the

*Continued on page 6*

absolutely certain that all our stock is good quality at a realistic price.

**Security.** The electronics magazines in general will accept advertising from anyone so when you send your money off remember that, just because they have an advertisement in your favourite magazine does not mean they are necessarily a reputable company. With Maplin you can be confident that your money is safe.

You won't be surprised to learn now, that we are the biggest retail supplier of electronic components in the UK. With our new computer watching the progress of your order and keeping an eye on our stock levels, our service is better than its ever been. On price, service, stock, quality and security, it makes more sense now than ever to make Maplin — *your first choice for components every time!*

## Make Love Not War

Dear Sir,  
If the Wagners and Duncan Munn are so determined to seek out 'sin' in the Electronics Industry, they should look first to such companies as Ferranti, Marconi and Racal to name but three. These companies make a large proportion of their profits, selling expensive and sophisticated weapons to Third World countries. The effect on children of this immoral traffic (it affects adults too, but children, as the Wagners know, are always better for emotive appeal) is twofold. It destroys them directly, when what would otherwise have been minor tribal or sectional conflicts are escalated to bloody and destructive proportions. As frequently, it leads to indirect hardship and often death, by sponging off the cream of the resources of the area that should be being used for development.

When the Wagners, Mr. Munn and the morality mafia in general turn their attention to such genuinely harmful perversions of electronics technology, the rest of us might be disposed to listen with greater tolerance to their claims about the alleged harmful effects of the two-inch black and white drawing of two people making love on page 147 of the Maplin catalogue.

Personally, I cannot help feeling that if our children were brought up to suppress their violent rather than their sexual nature, to regard war as a perversion and to recognise sex as relatively harmless, the world would be a much better place.

Sincerely  
JOHN HIND  
Belfast, N. Ireland

## Those Erotic Wheels Again

Dear Sir,  
May I first congratulate you on an excellent service which I have been making use of for some time now. I have had many orders and was more than satisfied with your prompt replies every time.

I was prompted to write, having put up with the complaints long enough, after reading Mr. Munn's letter concerning your disco picture wheels. How many more narrow-minded people are going to complain to you I ask myself? I myself am a deejay and, although I do not use these wheels, see nothing wrong with or even have seen any annoyed faces, when these type of effects were being used. The people complaining about their use have obviously never attended a good disco where the emphasis is on entertainment and the audience have the maturity to take any special effects with a pinch of salt. Most deejays are responsible enough only to use such effects with a mature audience and if anyone complains then they would more than likely remove the "offending" material. As for influencing the younger generation just take a look at most of the daily papers.

Yours Faithfully  
PAUL BIRT  
Gourcock, Renfrewshire

## Ultra-Violet Tubes

Dear Sir,  
Would you please consider two suggestions of items to add to your excellent range of stock:

- 1) Replacement U-V tubes for your U-V pcb exposure box — or failing this could you suggest where they may be obtained as obviously their life is not unlimited!
- 2) Professional jack (¼") plugs and line sockets (the type having a cable clamp fitted).

I find these type very hard to get hold of and I'm sure there would be a demand for them — I would certainly like to be able to buy a few myself.

I hope you will be able to include these items in your range in the near future. Thanking you for your excellent service,

Yours Faithfully  
MR. D. TAYLOR  
Hayes, Middlesex

Unless you're going to do an extraordinary amount of etching, I should imagine the tubes will last for many years, but if you ever do need to replace them any good electrical shop should be able to get one for you. The type to ask for is a 12-inch 8W/bipin Philips TL8W05.

## Ten Brain-Teasers

To the Editorial Department,  
May I put a few questions to you?

- 1) What would you call an ultra-miniature toggle switch (e.g. SPST, SPDT...) with 3 tags?
- 2) When making the MES53 in stages (as I presume you have to) is the 49-note keyboard later wasted if you wanted two 61-note keyboards eventually? If not — why not (as there's no point in having a £26 keyboard spare is there)?
- 3) You say the organ will be to your own specification — however — if I wanted some different sounds to those given how is it possible? Or do you mean that it will be your choice of sounds from those available on MES53?
- 4) What is one supposed to do about woodwork casing if you don't supply it?
- 5) How can you join the Auto-Organ to the MES53 (full scale)? Is it just all explained in construction leaflet MES55?
- 6) Is MES53 Stage 2 available yet?
- 7) When is MES71 and MES71B coming out?
- 8) How can one get hold of 1,000-pin packs? What price are they?
- 9) On component schedules — when an item is available in packets — is the quantity you quote in packets or individual items needed?
- 10) If you add MES55 to MES54 how many: mixer and master tuning pcbs, organ mixer pcbs, 2G05 PSU pcbs and master tuning modules will you need?

Yours Sincerely  
P. GOBEY  
Romford, Essex

1. This would be an SPDT switch (single-pole, double-throw).
2. The organ is designed to be made in stages and it is easier to do so. If you want 61-note keyboards then you must start with them. It is not possible to extend a 49-note keyboard.
3. We mean that there is a choice from all the facilities shown.
4. You have to make your own woodwork.
5. Yes it is explained in MES55.
6. MES53 Stage 2 is actually MES56 and this will be available in Spring 1981.
7. MES71 and 71B will be available in July 1980.
8. We can no longer supply 1,000-pin packs — you have to buy ten 100-pin packs.
9. Usually we quote actual numbers of pins or if we do quote packs we usually say 3pks or whatever.
10. You only require one of each of the parts you mention for the complete organ.

## What About 3800 Kits

Dear Sir,  
I am a student at Exeter College and I am building your 3800 synthesiser. When it comes to buying parts for the various sections it is a little disappointing to find out of stock chips etc. This obviously cannot be helped at times, but can I make a suggestion. Would it be possible to sell a "kit of parts" for the different sections e.g. for the output, oscillators etc. like you do for your amps etc. This would, I feel, make things a little easier for us budding Gary Newmans.

Yours 78021  
ADRIAN BEASLEY

P.S. and all the other Maplin Freaks at the College, Exmouth, Devon  
We are extending our range of kits gradually and it may be possible to include the modules from the synthesisers, but of course it won't really help us to be in stock. Obviously if we can't supply you with a particular part then we won't have it to put in our kit either. However, our stock levels are gradually improving thanks to the computer and at the moment we have less lines out of stock than ever before.

## Wireless Sets For Sale

Dear Editor,  
If anyone of your readers is interested I have a 1936 MURPHY and a 1927 one-valve radio and a lot of other valve equipment left over from a craze I had some years ago. Both sets work.

I would like to swap for a really selective short-wave radio or a mutually agreed value Credit Note on Maplins.

Yours Truly  
H. L. HAMBLING  
37 Hanover Close,  
Charlbury, Oxford

## Synthesiser Book

Dear Sir,  
Having just received my copy of your book, '3800 & 5600 Stereo Synthesisers', I was somewhat disappointed to find that it did not, as advertised, contain full constructional details of how to build the two instruments.

My complaint is that no details were given of the pcb track layouts. As I normally etch my own pcbs I found this annoying in a book which claimed to give 'complete constructional details'.

The other comment I would like to make is that should you ever reprint the book, you might consider dividing it into two parts, one section for the 3800, and the other for the 5600 synthesiser. Customers could then just buy the relevant section.

I realise that this would mean some duplication, but I personally found it irritating continually flipping past details of the instrument I didn't intend building.

Hoping these comments have been of use,

Yours Faithfully  
DAVID P. PACK  
Edinburgh

It is quite unfair to say that the book does not contain full constructional details since the book does show exactly how to make the synthesisers from the parts shown in the parts list. If we didn't supply the pcbs this would be another matter. The electronics magazines give track layouts because they want to sell magazines; that's their livelihood. But for us, we sell components and recoup some of the huge design costs on selling the items peculiar to a project such as the pcbs.

The book has actually been a great success and we have already had one reprint and are about to have another, but it would be much too expensive at this stage to split the book up.

## Wire-Wrap Sockets

Dear Sirs,  
Could I suggest that you stock a range of DIL wire-wrap sockets as these are one of the few items I find I have to go elsewhere for at present.

Yours Faithfully  
RALPH C. BOWSFIELD  
Cheltenham

Yes, we shall be including a range of wire-wrap DIL sockets in our next catalogue.

## Same Day Service?

Dear Sir,  
I have read your newsletters as they arrive, and seeing some of the correspondence that you receive one would imagine that Maplin give nothing but supersonic first day service.

My own experience and that of many of my colleagues is that you should change your "same day service" title to "same year service".

I have had many occasions to deal with you and always I have received very slow service. My last order is no exception, after one week I received a note saying that my order was out of stock. In a shop one may expect to wait a week for out of stock items to arrive, but not Maplin — my order was placed on the 12th March, it is now very nearly April! Please publish this letter in your newsletter (if you dare!).

My only reason for dealing with you is because of your comprehensive catalogue — I would say your prayers that a rival company does not start up because you will lose my trade and that of my colleagues and I'm sure many others!

R. WILLIAMS  
Selby, Yorks

The reason our service was slow on this occasion was that the item ordered was out of stock. We must admit that if an order is out of stock then we send acknowledgement of the order by second class post, but we did actually manage to despatch everything by 3rd April which was only about 21 days. I notice that many mail-order companies advertising in the national press want you to allow anything up to 28 days for items they have in stock! I can't understand why you are looking for a rival company to start up: the electronics magazines are already full of them. The fact is that no-one with such a comprehensive catalogue could provide a better service than we provide. Even so, if we could think of a way to improve it, we'd do it!

## Discount Vouchers Are Tiresome

Dear Sir,  
I note that the eulogies have been easily outnumbering the brickbats of late. Fearing that you may become complacent and suffer a relapse, I write to redress the balance.

Your performance immediately after the publication of your current catalogue was abysmal. At your nadir, I received a £10 credit note on a £14 order, not less than 47% of the items ordered being out of stock. However, that was long ago and in recent times your service has been highly satisfactory.

My present objection is to the manner in which you give discount. I find the storing and counting of your masses of multi-coloured coupons exceedingly tiresome. If you were in the grocery trade it would be understandable. Women seem to actually enjoy collecting box tops, wrappers and labels etc.

Perhaps I'm a weirdo and not at all typical of your customers, but I find ordering parts the most tedious aspect of our hobby and I strongly disapprove of all practices which make it more complicated and time consuming.

Why can we not receive any discount due in the form of a single credit note instead of all this irritating confetti?

Be advised Sir, our hobby is electronics and not stamp collecting.

Yours Faithfully  
NIGEL G. MACKAY  
Stafford

The discount vouchers are a way of paying back the postage you overpay on large orders (since all prices include postage). We can only give as large discounts as we do because we can offset the costs against the fact that (we hope) they entice you to place more orders. If they were not multi-coloured they would be even more difficult to count, but surely as they are, it only takes a few seconds.

## Computer Could Do More

Dear Editor,  
The introduction of your new computer seems to have been to everyone's advantage. I feel, however, that it is not (yet) being put to full use.

How about this suggestion: with every order (on request) an "Accounts status" could be given. This could include a list of items which are out of stock, but are to follow. Also the amount of credit (or debit) could be given.

The distribution of your newsletters still seems to be done manually, and with a number of mistakes. I have received three of the March 1980 newsletters (see special offer coupons enclosed, none of which I wish to use).

Could you get your new-fangled toy to print out the address labels for these, and also to keep a record of how many newsletters have already been paid for by each customer? (This could also be printed out on the account status previously mentioned.)

Yours Faithfully  
R. A. BARWICK  
Newcastle upon Tyne

There are still a lot of programmes to be written for the computer even though the order throughput programmes are now more or less complete. We will be despatching the newsletters using the computer in the near future, but the other suggestion is a problem. Our invoice print programme is already very complex: since there are so many different types of order to deal with and in fact uses 28K bytes of memory and we are loath to add even another line to it.

## Shortwave Kit Wanted

Dear Sir,  
May I add my voice to W. Chrigwin's (March newsletter) in requesting a simple, superhet shortwave kit?

However, I'd like to add that it should be made compatible with the Maplin tuner modules, enabling it to be made up on its own or with, say, the Maplin a.m. board. That would really plug a gap in the market since no such lw/mw/sw unit has been available to add to an existing fm set since the demise of the Quad AM3.

Yours Faithfully  
COLIN SHELBOURN  
Staveley-in-Cartmel  
Cumbria

Continued on page 18



# AMENDMENTS TO LEAFLETS

## Drumette

On schedule please amend numbers required of DIL Sockets 14 and 16-pin. You will require 5 DIL Socket 14-pin and 6 DIL Socket 16-pin.

In the leaflet, on page 1, para 2 under heading 'Construction', should read: "Fit five of the 16-pin sockets..." In Fig 3 C84 is shown the wrong way round. The +ve side connects to the bridge. C84 is also shown reversed on the pcb. Some constructors have complained that the downbeat indicator does not always extinguish on the downbeat. If you have this problem, connect a Min Res 1M between the junction of R5, R6 and C2, and the 'downbeat lamp supply' to ensure reliable operation.

## Michron Mk II Clock

Please note that in the 'test' mode the top left-hand segment of the top left-hand digit and the dot next to it should not light. In the section 'Controlling Mains Appliances' delete the sentence: "Disconnect the wire at the jack socket..."

Note 3 should read: P22 (clock) to jack socket. Delete note 4. The diode across the relay is shown reversed; the banded end (cathode) should be connected to the +ve of the capacitor.

## Train Controller

In the parts list and in the component schedule (MES46B) we have shown C2 as Axial 100µF 25V. It should be Axial 1000µF 25V.

Also the transformer should be WB25C (Tr 12V 1A) and not Tr 34V 1A as stated in the parts list and component schedule. A revised wiring drawing is being sent out with the Train Control PCB (BY75S).

## 40W Stereo Amplifier

The headphone amplifier in this amp is designed for use with electret headphones which tend to be insensitive. If you use conventional headphones you may find hum and noise audible from this output. This may be totally eliminated by changing R1 in the 8W Amp Kit to a Min Res 220k and R3 in the 8W Amp Kit to a Min Res 1k.

The following parts used in this project are not shown in the catalogue:

XX30H (Equaliser Pot Core) Price £1.76

XX31J (PCB Guides) Price 18p  
XX32K (Headphone Slt Bkt) Price 52 1/2p  
XY21X (Hi-Fi Amp Chassis) Price £18.93  
XY22Y (Hi-Fi Amp Screen) Price £1.85  
XY23A (Hi-Fi Amp Front Panel) Price £5.86  
XY24B (Hi-Fi Amp Cover Black) Price £6.95  
FL94C (Hi-Fi Amp Sel. Mthr. PCB) Price £2.82  
FL95D (Hi-Fi Amp Selector PCB) Price £2.29  
FL96E (Hi-Fi Amp Equ. Mthr. PCB) Price £2.25  
FL97F (Hi-Fi Amp Equaliser PCB) Price £1.97  
FL98G (Hi-Fi Amp Pk. Det. PCB) Price 95p  
FL99H (Hi-Fi Amp PSU PCB) Price £1.65

## 10-Channel Graphic Equaliser

Please note that the mains transformer required is the Min Tr 15V (WB15R) not Min Tr 12V.

## 3800 & 5600S Synthesiser

The setting-up instructions for the Transient A & B in the 5600S and the Transient in the 3800 are incorrect. Setting-up should be carried out as follows: On the Transient pcb turn VR3 and VR4 fully clockwise. Turn the 'final level' control to +10 and connect a 'scope' to pin 25. Adjust VR4 until the maximum voltage is attained. Now turn VR3 fully anticlockwise and then turn it slowly clockwise until the maximum voltage is attained. If oscillation occurs turn VR4 slightly further anticlockwise and readjust VR3. In 5600S only, repeat for Transient B. On the Transient, R20 should be removed and replaced by a wire strap. In the VCF, R11 should be a Min Res 390k.

In Fig. 69 there is a wire from FPC12 shown connected to OV. There should not be anything connected to this point. Also FPC2 has a wire shown connected to Keyboard Controller pin 23. This wire should, however, be connected to Interface pin 15. On the Interface pcb connect a ceramic 10pF across R1 and another across R4. In the 3800 only on the 'sample and noise' board link pins 13 and 17.

On the component schedule for the 5600S only, 7 Hor S-Min Presets 47k are listed under 'Keyboard Controller' column. They should be under 'Oscillator 1' column. In the schedule for the 5600S synthesiser one part has been omitted. In addition to the

parts shown, the sample and noise module also requires one Rotary Sw3B (FF76H).

The following parts used in these projects are not shown in the catalogue:

BF95D (Joy Lever PCB) Price 69p  
BF96E (3800 External I/P Bkt) Price 50p  
BF98G (3800 VCA Bkt) Price 50p  
BF99H (3800 Interface Mtg Bkt) Price 48p  
LB99H (Rd Woodscrew Black No. 4 1/2in.) Price 13p per pack of 10  
LR75S (C/S Panel Screw 4BA 1in.) Price 4p each  
LR76H (Cup Washer 4BA) Price 2p each  
XY28F (Remote Foot Control) Price £9.35

## Bass Guitar And Organ Pedal Unit

In the component list on leaflet MES25 the following items have been omitted:

T2 Sub-Min Tr 6V  
D45-46 1N4002  
D47-63 LED Red  
R151-157 Min Res 270

Also required

1 Mains Plug P429  
1 Mains Socket P646  
1 Jack Slt Brk  
1 Recess Plate

In addition C55 should be Axial 470 F 63V (not 40V)

ZD1 should be BZX61C12 (not 13).

LP1 Pan Neon is not required.

FS1 should be mounted in a Chassis F/H 20mm.

The six Press Toe Switches Type 1 are SW2 to 7.

The Component Schedule (MES25B) lists all these parts correctly.

## 150W Amp Kit

We recommend making Q1, 2 and 3 either all ZTX541 or all ZTX542, changing Q5 to BF337 and R11 to Std Res 1k. Only two Heatsinks Clip-On will now be required. LW32K is now being supplied as standard with the parts listed above.

## 150W Stereo Disco

The following parts used in this project are not shown in the catalogue:

XY26D (Heatsink Mtg Plate) Price £3.35  
XY27E (Heatsink Cover) Price £5.87

On the component schedule the two mylars required are 0.001µF (WW15R) not 0.047µF as stated. Also the box should be AB10 (LF11M) not AB7 as stated, and the Low Loss Co-Ax should be Low-C Cable (XR19V). In the leaflet the last line of the penultimate para on page 3 should read: "Link B to B and E to E on SW9 and 10."

## Audio Mixer

The Terry clip spacer previously sold only as part of mixer metalwork kit No. 1 is now available separately.

Order As LW03D (Spacer TC) Price 16p

## Electronic Car Ignition

In the new leaflet the circuit has been changed and therefore the pcb (BB75S) described on page 24 of the catalogue will not be suitable. Leaflet MES16 gives details. On comp. schedule Toggle Switch Cover is YL01B (not XX42V).

The following parts used in this project are not shown in the catalogue:

XX40T (Ignition PCB) Price £1.30  
XX41U (Ignition Mtg Plate) Price £1.28  
YL01B (Toggle Switch Cover) Price 36p

## Burglar Alarm

In the parts list for the ultrasonic detector and in the component schedule (MES47B) we have shown C9 as Axial 10µF 25V. It should be Ceramic 10pF. Also R16 is shown as Min Res 1k. It should be Min Res 2k2. The Octal Ch Slt shown on the schedule is not required.

Also R41 and R43 should be Min Res 1k8.

## MES54, 32-Note Pedalboard and MES55 Auto-Organ Rhythm Generator

The following parts used in these projects are not shown in the catalogue:

YL00A (Organ Mixer PCB) Price £2.93  
YL18U (2G05 PSU PCB) Price £1.24  
YL20W (Master Tuning Module) Price £19.87  
YL21X (32-Note Pedal PSU PCB) Price £2.65  
YL22Y (36-Way Plug and Socket) Price £14.99  
XX38R (Downbeat Indicator PCB) Price £2.20

is PRESETS CANCEL (not PRESETS & D/B as stated).

## Page 194

A new type of drawbar will be available in early August. They are in marbled red (BR41U) or marbled white (BR42V). Resistance 22k lin.

## Page 206

The matched pair MEF4220 is no longer available. In the Dynamic Noise Filter use a matched pair MEF102. Price 81p. Order As YH65V.

## Page 230

In the fourth row, the third picture shows the 4502BE (not 4098BE).

## Page 233

IC type 4136 pins 1, 6, 8 and 14 are - inputs and pins 2, 5, 9 and 13 are + inputs.

## Page 245

MM57160 pin 26 is D2 and pin 27 is D3, not as shown.

## Page 259

The DD Display as now being supplied differs from the type shown in the catalogue as follows: Overall dimensions: 24.5 x 19 x 8mm. Pin spacing: 15.9 x 2.5mm. Type A is marked MAN6710; Type AF is marked MAN6730; Type C is marked MAN6740; Type CF is marked MAN6750.

## Page 263

In the parts list for the power supply D1-4 for the stereo pair should be PWO6 (not KBPC606).

## Page 270

Ultrasonic Detector Project. This project has been withdrawn temporarily owing to the difficulty of setting-up correctly. Customers having problems should write to our Technical Dept. who can advise you of a modification to make the detectors work correctly.

to make a duct from aluminium sheet but that will present no problem.

My question to you is: Can you not offer a small cooling fan as a stock item? Such an item may prove to be very useful to constructors who need to dissipate a lot of heat and would like to do it without using a lot of heatsinking. As well as the fan, how about a circular grille to fit a hole about 3" diameter. I made a crude one from aluminium sheet (3" square with lots of holes drilled in it) but I am sure you could do better.

IAN OLIPHANT  
Glasgow

Well, we've looked at cooling fans a few times for possible inclusion in our catalogue, but always found them rather expensive, nevertheless we'll look again.

# ERRORS IN CATALOGUE

We regret that the following errors have occurred in the catalogue although they are shown correctly in the price list. Please amend your catalogue as follows:

## Page 47

BF92A is a Tie-Wrap 140.

## Page 49

Under 'Panel-Head Screws' second line from the bottom should begin M2.5 not M3.5.

## Page 60

The length of the threaded spacer 6BA is 6.35mm (1/4in.) and not 4.76mm as stated.

## Page 64

The order code for the metal detector shell should be XQ99H (not XQ85G). Box PB301 dimensions should read 107 x 57 x 38mm.

## Page 69

A new type of Min Tuner now available: YQ24B (AM Varitone) see "Back Issues of Newsletters" March 1980 section in this newsletter for price. Suitable for use with ZN414 and in place of Dilecon 500pF in circuit on cat. page 109.

## Page 72

Constantan wire is sold as a 1oz reel (not 2oz).

## Page 72

3 Watt W/W Min. Resistors. 3.9Ω, 120Ω and 270Ω are also stock values.

## Page 75

2-Axis Joystick is now fitted with 220k lin pots not 100k as stated.

(Continued from page 17)

## Out Of Stock Items

Dear Sir,

On the 25th of January you despatched part of Order No. 20605, which I received. Approximately one month later you despatched part of the remaining order, which I also received. However, over four months after posting the original order, I am still awaiting the arrival of 2 two-Octave boards, 2 Min Tr 15V and 61 BC 214L Transistors.

Come on! Pull your socks up. Prove that yours is still the best service around.

Yours in anticipation  
A. WINTERBOTTOM  
Dewsbury, Yorks

Now that the computer is running smoothly and one can look back, I suppose

## Page 79

Slide Knob 'F' is now being supplied in a slightly different style owing to manufacturer discontinuing previous type. The new type will only fit vertically i.e. with longer side of knob parallel with longer side of slide pot.

## Page 83

The round bulb is being replaced by a 15W Pygmy bulb as stocks of the round bulb run out.

## Page 89

A new specification Microswitch is now available. The new type is not enclosed, contacts are rated at 250V AC 3A, overall size 30 x 21 x 4mm.

## Page 104

The Aerial Rotator (XB54J) is now slightly different from the one described. The main change is that now only a 3-core cable is required between control box and drive unit.

## Page 104

Telescopic Aerial 4ft is replaced by an eight section 54in. type.

## Page 111

MP Crystal 2MHz (FY80B) will in future be supplied in case style HC-33/U. The adjustment tolerance is now ±50ppm, temperature stability is ±100ppm, temperature range is 0 °C to 50 °C and load is 30pF. MP Crystal 2.5MHz. This crystal will be supplied with a frequency of 2.457600 MHz so that it may be divided by 2<sup>20</sup> to give standard transmission rates of 300 x 2<sup>20</sup>.

## Page 112

The OV on the clock transformer are not internally commoned.

# Letters to the Editor

## Fans Keep You Cool, Man!

Dear Sir,

Last November I purchased your 150W amp kit which I have since built and used with my twin turntable at discos, parties etc. It is an excellent amp producing high quality, high power sound.

For convenience I mounted the amp inside my disco unit with the heatsink horizontal, but worried as I was about overheating I fitted a small fan with a 3" blade. I now find the heatsink stays so cool that I am going to purchase another kit shortly and 'stereo-ise' my unit. To ensure enough air flows past the sinks I will have

it was inevitable that something would go wrong when changing a massive manual system over to computer in one fell swoop. It was the back order file which was completely messed up. Unfortunately it was a subtle error that gradually made things worse and worse before anyone noticed and by then it was irretrievable. It has taken us a long while to sort it out and there are still about thirty sets of goods that we have not been able to tie up. So if you are still waiting for goods from orders placed before mid-February 1980, please let us know what you are waiting for, along with any other details you can give us about your order.